

**FREMS™** Frequency Rhythmic Electrical Modulation System

Aptiva™ **Jazz** is the dedicated device for the vascular and dermatologic clinical areas.

Aptiva Jazz is the dedicated device for the treatment of pathologies of the vascular and integumentary systems through FREMS™ (Frequency Rhythmic Electrical Modulation System).

In particular, the Jazz model is indicated in the treatment of microcirculation diseases, peripheral vascular pathologies and wound healing.

Through four neuromodulation channels, Aptiva™ Jazz permits simultaneous treatment of several body regions.

The clinical experience suggests the use of Aptiva™ Jazz for the treatment of:

- Microangiopathies
- Peripheral vasculopathy
- Wound healing
- Oedematous states
- Venous stasis



**Lorenz**  
NeuroVasc®

Toll Free: 1.866.443.8567  
www.lorenzneurovasc.ca

**Classification in accordance with:**

- Directive MDD 93/42 class II a
- MDR Canada class II

**Reference standards:**

- CEI EN 60601-1
- CEI EN 60601-1-2 II Ed.
- CEI EN 60601-1-4
- CEI EN 60601-1-4/A1
- CEI EN 60601-2-10
- CEI EN 60601-2-10/A1
- CEI EN 60601-2-40
- CEI 62-84
- UNI CEI EN ISO 14971

**Mains:** power with external power supply or with 24V NiMH battery (about 10 hours autonomy - recharging time 13 hours).

**Supply voltage:** 100 – 240 V ~, 47 – 63 Hz.

**Absorbed input power:** 45VA

**Classification of degree of protection against electrical hazards in accordance with CEI EN 60601-1 standards:** class 2 type BF.

**Conditions of use:** machine suitable for continuous use.

**Safety of use in the presence of flammable anaesthetic mixtures with air or oxygen or nitrous oxide:** machine not suitable for use in the presence of flammable anaesthetic mixtures with air or oxygen or nitrous oxide.

**ENVIRONMENT:**

**During operation:**

**Temperature:** 15-35°C.

**Humidity:** 5-80%.

**During storage/transport and when the system is switched off:**

**Temperature:** 0-50°C for less than 48 hours, 0-35°C for more than 48 hours.

**Humidity:** 5-80%.

**Air flow:** there is no forced ventilation system.

**Heat emission:** the system dissipates the heat produced

by the electronic circuits through the casing.

**Display:** active TFT.

**Keyboard:** Hard and Softkeys on membrane keyboard.

**Dimensions:** with packaging (62 x 62 x 156cm), Machine (46 x 43 x 143cm).

**Weight:** 20Kg.

**Neurostimulator characteristics:** "FREMS™" pulses and sequences (patented). Negative square-wave pulses with zero mean value.

**Pulse amplitude:** from 0 to 300V.

**Frequency:** 0÷1.000Hz automatically modulated.

**Pulse duration:** 10÷100µsec.

**Voltage increase:** adjustable by the patient via remote control in steps of 1V.

**Stimulation channels:** 4x4 with independent programs.

**ACCESSORIES:**

**N° 1 Power supply.**

**N° 1 Remote control.**

**N° 4 Electrode connection cable for neuromodulation.**